

Converting Colors

$Yxy(68.1068, 0.3004, 0.3020)$

Have a look what the booklet for
Yxy(68.1068, 0.3004, 0.3020)
contains.

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Color

Yxy(68.1068, 0.3004, 0.3020)

Conversions

Conversions Part 1

Format	Color
Hex	DAD4ED
RGB	218, 212, 237
RGB Percent	85%, 83%, 93%
CMY	0.1450, 0.1686, 0.0707
CMYK	0.08, 0.11, 0.00, 0.07
HSL	255°, 41%, 88%
HSV	255°, 11%, 93%
XYZ	67.7460, 68.1068, 89.6664
YIQ	216.6440, -4.4490, 9.0470

Conversions

Conversions Part 2

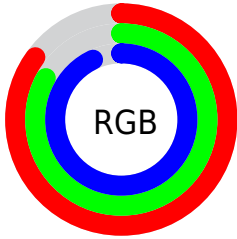
Format	Color
R _Y B	218, 212, 237
Decimal	14341357
CIE Lab	86.06, 6.72, -11.50
CIE LCh	86, 13.320, 300.304
Yxy	68.1068, 0.3004, 0.3020
Android (android.graphics.Color)	4292531437 (0xFFDAD4ED)
YUV	216.6440, 10.0355, 1.1892
Hunter-Lab	82.5268, 2.1080, -6.6505

Details

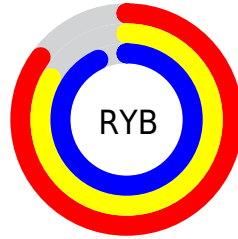
The Yxy color $68.1068, 0.3004, 0.3020$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $82.2768, 0.3242, 0.3553$, and the grayscale version is $69.0676, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $35.2367, 0.2974, 0.2952$ is the 20% darker color. If you saturate the color by 10%, you get $54.4972, 0.2869, 0.2735$, and if you desaturate by 10%, it is $83.7610, 0.3121, 0.3277$.

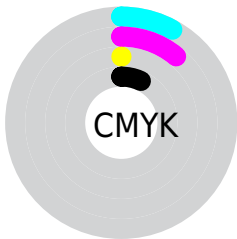
Distribution



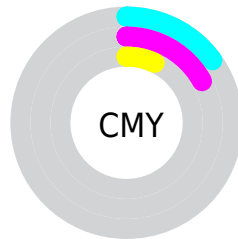
- Red (85%)
- Green (83%)
- Blue (93%)



- Red (85%)
- Yellow (83%)
- Blue (93%)



- Cyan (8%)
- Magenta (11%)
- Yellow (0%)
- Black (7%)



- Cyan (15%)
- Magenta (17%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.1068, 0.3004, 0.3020 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 68.1068, 0.3004, 0.3020 by changing the saturation by 10% instead.

68.1068, 0.3004,
0.3020

68.1068, 0.3004,
0.3020

453.8743, 0.3062,
0.3145

49.9846, 0.2990,
0.2992

116.5049, 0.3024,
0.3063

35.4012, 0.2973,
0.2957

147.5496, 0.3032,
0.3080

23.9721, 0.2952,
0.2912

183.6707, 0.3039,
0.3094

15.3129, 0.2923,
0.2855

225.2524, 0.3045,
0.3107

9.0393, 0.2883,
0.2776

272.6793, 0.3050,
0.3118

4.7668, 0.2824,
0.2664

326.3356, 0.3055,

2.1111, 0.2729,

0.3128

0.2490

386.6058, 0.3059,
0.3137

0.6709, 0.2564,
0.2146

0.0000, 0.0000,
0.0000

68.1068, 0.3004,
0.3020

68.1068, 0.3004,
0.3020

54.4972, 0.2869,
0.2735

83.7610, 0.3121,
0.3277

42.8385, 0.2716,
0.2425

98.6970, 0.3226,
0.3464

33.0427, 0.2548,
0.2098

98.8922, 0.3232,
0.3464

25.0115, 0.2368,
0.1765

■ 18.6373, 0.2184,
0.1445

■ 13.8006, 0.2006,
0.1158

■ 10.3655, 0.1847,
0.0925

■ 8.1707, 0.1717,
0.0762

■ 6.9910, 0.1625,
0.0669

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.1068, 0.2876, 0.3025



68.1068, 0.3004, 0.3020



68.1068, 0.3168, 0.3083

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.1068, 0.3004, 0.3020



68.1068, 0.3449, 0.3470



68.1068, 0.2931, 0.3382

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



68.1068, 0.3004, 0.3020



82.2768, 0.3242, 0.3553

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.1068, 0.3081, 0.3511



68.1068, 0.3004, 0.3020



68.1068, 0.3381, 0.3559

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.1068, 0.3004, 0.3020



68.1068, 0.3428, 0.3338



68.1068, 0.3245, 0.3576



68.1068, 0.2835, 0.3230

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.1068, 0.3004, 0.3020



68.1068, 0.3276, 0.3155



68.1068, 0.3245, 0.3576



68.1068, 0.2977, 0.3430

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



68.1097, 0.3004, 0.3020



94.1323, 0.3094, 0.3216



77.3382, 0.2964, 0.3227



19.8207, 0.3085, 0.3196



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.1097, 0.3004, 0.3020



76.1838, 0.2972, 0.2951



70.0724, 0.3091, 0.3027



14.7248, 0.3017, 0.3049



3.8689, 0.1638, 0.0676



0.3473, 0.1774, 0.0751

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



70.8499, 0.3181, 0.3093



80.1373, 0.3195, 0.3044



80.3069, 0.3159, 0.3560



15.2479, 0.3175, 0.3113



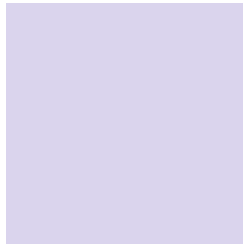
11.6437, 0.3933, 0.1940



0.9292, 0.3811, 0.1873

Previews

White Background



This preview shows how the Yxy color 68.1068, 0.3004, 0.3020 looks on a white background.

Color Contrast Check

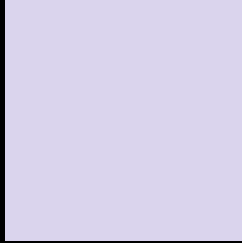
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 68.1068, 0.3004, 0.3020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

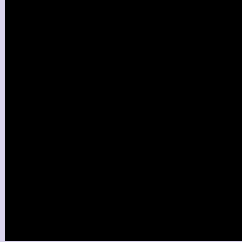
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

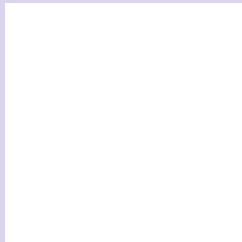
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.1068, 0.3004, 0.3020

Background



This preview shows how black text looks on a background with the Yxy color 68.1068, 0.3004, 0.3020.



This preview shows how white text looks on a background with the Yxy color 68.1068, 0.3004, 0.3020.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

68.1068, 0.3004, 0.3020

Protanopia

68.2632, 0.2955, 0.3028

Deuteranopia

67.8841, 0.3061, 0.2992



Tritanopia

68.0534, 0.3042, 0.3104

Trichromacy



Original Color

68.1068, 0.3004, 0.3020

Protanomaly

68.0577, 0.2969, 0.3018

Deuteranomaly

67.8956, 0.3039, 0.3001

Tritanomaly

68.2234, 0.3022, 0.3072

Monochromacy



Original Color

68.1068, 0.3004, 0.3020

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

68.7344, 0.3081, 0.3191

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.1068, 0.3004, 0.3020 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(218, 212, 237)` looks like.

```
.text, #text, p{  
    color:rgb(218, 212, 237)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(218, 212, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 212, 237) }
```

Border

The CSS property to change the border of an element to Yxy 68.1068, 0.3004, 0.3020 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(218, 212, 237) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(218, 212, 237) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(218, 212, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 212, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 212, 237);  
box-shadow:4px 4px 4px 4px rgb(218, 212,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 68.1068, 0.3004, 0.3020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 212, 237) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(218,  
212, 237) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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